

REMARKS

OFFICE ACTION SUMMARY AND CLAIM STATUS

Claims 1-54 are pending.

Claims 1-3, 6-8, 11-13, 16-26 and 29-54 are rejected under 35 U.S.C. §102(e) as being anticipated by Kang (U.S. Patent 6,400,347).

Claims 4-5, 9-10, 14-15 and 27-28 are objected to as being allowable if amended into independent form.

Claim 42 has been amended to correct its dependency. Claim 39 is cancelled, because it is same as claim 50. Therefore, claims 1-38 and 40-54 are pending for reconsideration, which is respectfully requested. No new matter has been added in this Amendment.

REJECTIONS UNDER 35 U.S.C. §102:

Claims 1-3, 6-8, 11-13, 16-26 and 29-54 are rejected under 35 U.S.C. §102(e) as being anticipated by Kang (U.S. Patent 6,400,347).

Kang relates to a method for driving sustain lines in a plasma display panel where an erase pulse is inserted by the color in the period in which a sustain pulse is applied, when a white balance is adjusted considering the characteristics of the panel, so that pulses of a ratio required for good white balance can be applied (Kang, Abstract). In particular, Kang controls the number of sustain pulses required for good white balance by generating erase pulses according to the brightness of each color signal and the color coordinates from at least more than one sub-field (column 4, lines 32-55; column 7, line 63 to column 8, line 21). Therefore, Kang adjusts the sustain pulses of color signals (column 4, lines 32-35).

In contrast to Kang, the claimed invention correctly adjusts the white balance by adjusting the amplitudes of said primary color video signals in accordance with said detected number of emissions or said detected intensity (see, for example, FIGS. 6, 11-14, 18, of the present Application). In contrast to Kang, a benefit of the claimed invention is that correct white balance can be maintained regardless of the number of emissions or the intensity of emission. Therefore, in correcting the white balance, Kang adjusts the sustain pulses of color signals, while the claimed invention is "adjusting the amplitudes of ... color ... signals." More particularly, the claimed invention provides "adjusting the amplitudes of ... color ... signals in accordance with ... detected number of emission or ... detected intensity." See, for example, page 20, line 27 to page 22, line 26.

INDEPENDENT CLAIMS 1, 26 and 40

Kang does not disclose or suggest the patentably distinguishing features of the present invention, providing “a white balance correction portion correcting white balance by adjusting the amplitudes of said primary color video signals in accordance with said detected number of emissions or said detected intensity” (independent claims 1, 26, and 40).

INDEPENDENT CLAIMS 19, 34 and 47

Further, Kang does not disclose or suggest the patentably distinguishing features of the present invention, in which “output gray levels of images represented by said primary color video signals are adjusted in accordance with input gray levels of said images represented by said primary color video signals, thereby correcting white balance which varies with the number of emissions for, or the intensities of, said primary color video signals” (independent claims 19, 34, and 47).

INDEPENDENT CLAIMS 50, 53 AND 54

Further, Kang does not disclose or suggest the present invention's patentably distinguishing features, in which “an amplitude ratio between said primary color video signals is set in accordance with the luminances of said primary color video signals, thereby suppressing variation of white balance with said luminances.” In particular, clearly Kang does not disclose or suggest the present invention's setting an amplitude ratio. More particularly, Kang does not disclose or suggest the present invention's, setting an amplitude ratio between color signals according to luminances of the color signals to suppress variation of white balance in the luminances.


CONCLUSION

In view of the remarks, it is submitted that the application is in condition for allowance. An early action to that effect is courteously solicited.

Finally, if there are any formal matters remaining after this response, the Examiner is requested to telephone the undersigned to attend to these matters.

Respectfully submitted,
STAAS & HALSEY LLP

Date: 2/6/2004

By: 
Mehdi Sheikerz
Registration No. 41,307

1201 New York Avenue, NW, Suite 700
Washington, D.C. 20005
Telephone: (202) 434-1500
Facsimile: (202) 434-1501